

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

**(19) World Intellectual Property Organization
International Bureau**



**(43) International Publication Date
30 October 2003 (30.10.2003)**

PCT

(10) International Publication Number
WO 2003/090449 A3

- (51) International Patent Classification⁷: H01J 29/52, 29/72

(21) International Application Number: PCT/US2003/012177

(22) International Filing Date: 21 April 2003 (21.04.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/374,280 19 April 2002 (19.04.2002) US

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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

 - with international search report
 - before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report: 6 May 2004

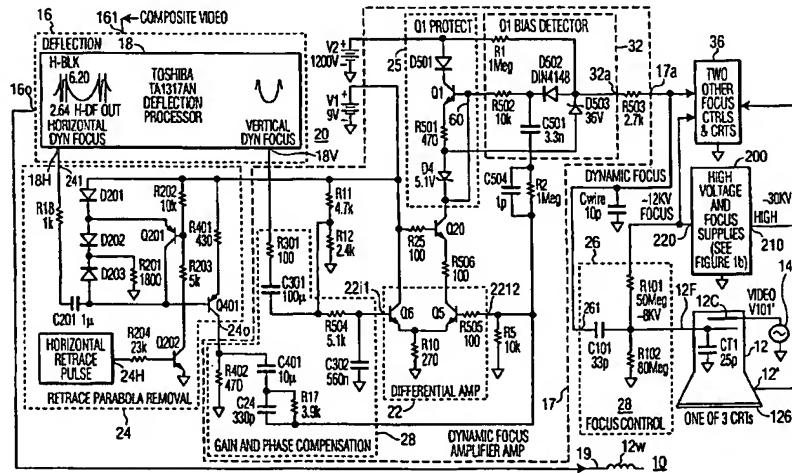
Published:

- with international search report
 - before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
6 May 2004

[Continued on next page]

(54) Title: FOCUS VOLTAGE CONTROL ARRANGEMENT WITH ULTOR VOLTAGE TRACKING



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(57) Abstract: A video display apparatus (10) includes a cathode ray tube (12) having an ultor terminal for developing an ultor voltage at the ultor terminal to produce a beam current. The ultor voltage has voltage fluctuations in a presence of changes in the beam. A resistive voltage divider (28) is coupled to a source of a first high voltage and to a focus terminal (220) of the cathode ray tube for producing at the focus terminal (220) a second high voltage including voltage fluctuations. The voltage fluctuations are indicative of the voltage fluctuations of the ultor voltage to provide for focus voltage tracking. An amplifier (22) responsive to a periodic correction signal is capacitively coupled via a capacitor (302) having a value of 33 picofarad to the focus terminal. A dynamic focus voltage that varies, in accordance with a variation of a beam landing location, is produced at the focus terminal (220).

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/12177

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H01J 29/52, 29/72
US CL : 315/371, 383; 358/168, 169, 243

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 315/371, 383; 358/168, 169, 243

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
none

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
none

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,177,413 A (WILBER) 05 January 1993 (05.01.1993), see entire document.	1-7
Y	US 4,243,918 A (MEISE) 06 January 1981 (06.01.1981), see entire document.	1-7
Y	US 3,825,793 A (DIETZ) 23 July 1974 (23.07.1974), see entire document.	1-7

<input type="checkbox"/>	Further documents are listed in the continuation of Box C.	<input type="checkbox"/>	See patent family annex.
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"P"	document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search 30 June 2003 (30.06.2003)	Date of mailing of the international search report 23 MAR 2004
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Form PCT/ISA/210 (second sheet) (July 1998)

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